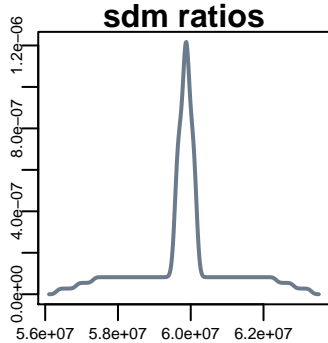
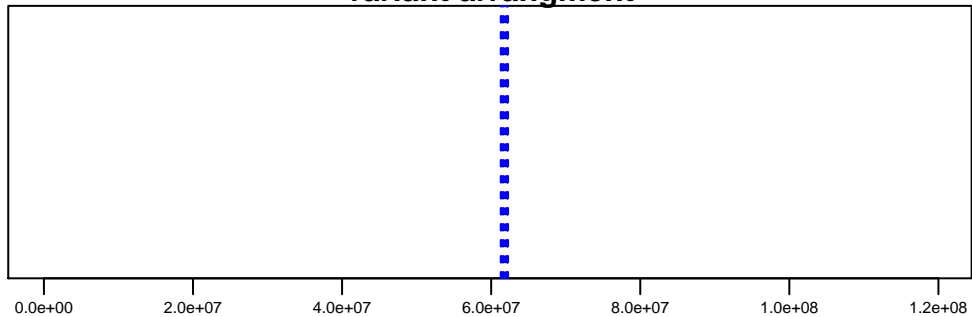
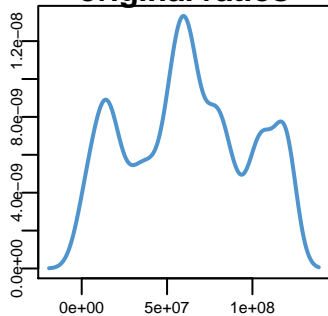
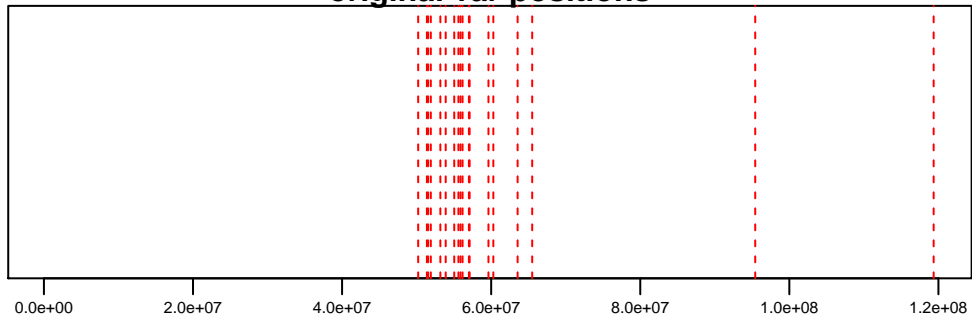


**sdm ratios****variant arrangement****original ratios****original var positions**

genome positions